

SPECIFICATION

Please replace the paragraph beginning at page 9, line 4 with the following:

FIG. 4 is a functional block diagram showing connections and circuit blocks used in the inductive charging system. As before, the cable 42 provides power to the mousepad 20. The cable 42 may be directly attached to the mousepad 20, or may be intermediately connected to the control housing 40 (FIG. 1). The power from the cable 42 is supplied to a primary side power circuit 122, which also has an output to drive the source loop 22. The primary power circuit 122 includes whatever circuitry is necessary to convert the voltage and current provided by the cable 42 into a signal that will provide a constantly changing current for the source loop 22. For example, if the input voltage is a direct current (DC) voltage, the primary power circuit 122 includes a circuit to produce a changing signal, such as an oscillation circuit 121. An example of such a circuit is a Pulse Width Modulation (PWM) circuit, which can supply the source loop with a constantly changing voltage and current while having a dc voltage as an input. Other oscillating circuits perform similar functions that can be used in place of the PWM circuit. Additionally, the primary power circuit 122 may include voltage matching circuitry, if necessary, to match the voltage supplied to it by the cable 42 with the voltage that is supplied to the source loop 22. For instance, the cable 42 may supply a 120 Volt alternating current (AC) signal. Although the AC portion of that incoming signal may not need to be rectified, it is likely that the 120 volts would be reduced to a lower voltage by the voltage matching circuitry included in the primary power circuit 122.